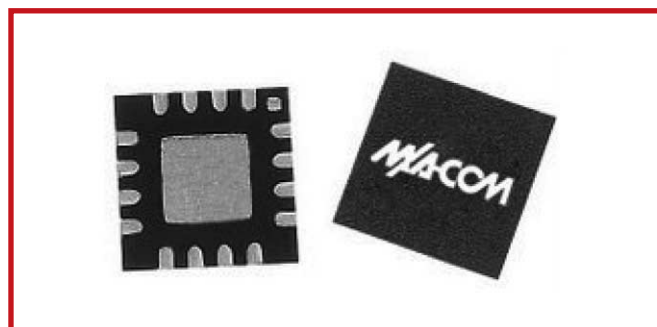


# Two-Stage Driver Amplifiers Suit WiMax and WiBro

M/A-COM has launched a pair of new low-cost 2-stage driver amplifiers, the MAAMSS0072 and MAAMSS0073, to extend its successful family of broadband, high linearity driver amplifiers. The broad frequency range, high linearity and reliability make this M/A-COM product family ideally suited for a variety of wireless applications such as WiMax, WiBro and UMTS/WCDMA Basestations.

M/A-COM's MAAMSS0072 and MAAMSS0073 driver amplifiers are fabricated using a high reliability GaAs HBT process and achieve high third-order output intercept performance over a wide power range. The usable bandwidth for this family is extremely broad, ranging from 250- to 4,000-MHz. The amplifiers can be optimized for a specific frequency range with external matching components and are housed in Pb-free,



RoHS compliant 4mm PQFN plastic packages.

These linear amplifiers are, it says, ideal for greater than 2GHz linear applications by achieving higher gain while still maintaining linearity. The MAAMSS0072 is designed to achieve 23dB gain, 27dBm P1dB and 1.5% EVM with 18dBm Pout for an OFDM Signal (802.16d) at 3.5GHz with an operating current of 235mA. The MAAMSS0073 is geared toward even higher power by achieving 23dB gain, 29dBm P1dB, and 1.5% EVM with 21dBm Pout for

an OFDM signal (802.16d) at 3.5GHz with an operating current of 590mA. Both amplifiers maintain excellent linearity over a wide dynamic range when backed off from the maximum power levels.

The MAAMSS0072 and MAAMSS0073 are available from stock and are priced at \$3.50 and \$5.50, respectively in quantities of 12,000. Contact M/A-COM's domestic and international sales and distribution channels for exact price and delivery quotes.

**Web:** [www.macom.com](http://www.macom.com)

## Freescall Buy-out?

At the time of going to press Freescale looked about to be sold. A consortium of investment firms was close to completing a deal to acquire Freescale Semiconductor Inc., the former unit of Motorola Inc., for over \$16bn, the New York Times reported. It could become the largest leveraged buyout ever in the technology sector.

Freescale Semiconductor expanded its India operations with a new 100,000-sq-ft facility in Bangalore to support Freescale's R&D in software for wireless technologies. This follows the company's recent acquisition of a 300,000-square-foot campus in Noida to support expansion plans.

**Web:** [www.freescale.com](http://www.freescale.com)

## WJ Communications Q2 Loss Narrows

In its second quarter, WJ Communications, Inc., showed results which included revenue of \$12.4m, increased gross margins to 54.2% and reduced the net loss to \$1.3m, a 45% decrease compared to first quarter 2006.

Gross margin for the second quarter of 2006 was 54.2%, compared to 51.2% in the first quarter of 2006 and 29.0% in the same period a year ago. However, net loss for the second quarter of 2006 was \$1.3m.

For the six months ended July 2, 2006, total revenue was \$24.8m, compared to \$11.8m for the first six months of 2005. Gross margin for the first six months of 2006 totalled \$13.1m compared to gross margin of \$4.6m for the first six months of 2005. Net loss of \$3.8m for the first six months of 2006 compared to a net loss of \$15.5m for the first six months of 2005.

**Web:** [www.wj.com](http://www.wj.com)

## Sirenza SiGe HBT Discrete

Sirenza Microdevices announced the production release of a new SiGe high linearity, medium power discrete product. The SGA-9089Z offers versatility and high performance from 50-4000 MHz. It can be biased from 2.7-3.3V over a wide range of currents to deliver the optimum combination of linearity, noise figure and power up to 24dBm.

"The one-quarter watt SGA-9089Z is a key addition to Sirenza's family of low-cost medium power SiGe discrete devices," stated Jeff Gudewicz, Sirenza's SBU director, standard and catalog products. "It is ideal for high

volume, cost-sensitive 3G, cellular, fixed wireless and various other low noise and driver amplifier applications. The SGA-9089Z extends the product range of the successful Sirenza SGA series."

The SGA-9089Z is available for immediate shipment in the RoHS/WEEE compliant SOT-89 package.

Sirenza Microdevices also announced the opening of its Central Europe sales office in Nuernberg, Germany and the appointment of Klaus Buesselmann as sales director, Central Europe.

**Web:** [www.sirenza.com](http://www.sirenza.com)